

Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)					<b>Complete if Known</b>	
E-filed 04-23-2010					Application Number	10/705,544
					Filing Date	11/10/2003
					First Named Inventor:	Kathrin Berkner
					Art Unit	2624
					Confirmation No.	5145
					Examiner Name	Bayat, Ali
Sheet	1	of	2		Attorney Docket No.	074451.P159
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)				
1		5,933,823		08-03-1999	Cullen et al.	
2		6,363,381 B1		03-26-2002	Lee et al.	
3		2003/0165273 A1		09-04-2003	Berkner et al.	
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
<b>NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
	NPL1	MARCO AIELLO, et al., "Document Understanding for a Broad Class of Documents," IJCAR 5: 1-16 (2002), (16 pgs.)				
	NPL2	H. S. BAIRD, et al., "Global-to-Local Layout Analysis," from Series in Computer Science, Vol. 19, Structural Pattern Analysis, workshop by IAPR Technical Committee on Syntactic and Structural Pattern Recognition," Pont-a-Mousson, France, September 1988. (18 pgs.)				
Examiner Signature	/Ali Bayat/				Date Considered	05/21/2010

<sup>4</sup>EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. "Applicant's unique citation designation number (optional). <sup>5</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.4. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	NPL3	CATTONI, R. et al., "Geometric Layout Analysis Techniques for Document Image Understanding: a Review," ITC-IRST, Trento, Italy, January 1998, pp. 1-68.	
	NPL4	CHENG, H. et al., "Trainable Context Model for Multiscale Segmentation," in Proc. IEEE Int'l. Conf. on Image Proc. -- ICIP '98, Chicago, IL, October 4-7, 1998 pp.610-614 (5 pgs.)	
	NPL5	CHOI, H. et al., "Multiscale Texture Segmentation Using Wavelet-Domain Hidden Markov Models," in Proc. 32 <sup>nd</sup> Asilomar Conf. on Signals, Systems and Computers, Pacific Grove, CA, November 1-4, 1998, pp. 1287-1291 (5 pgs.)	
	NPL6	DUDA, R. O. et al., "Pattern Classification," Chapter 1 - Introduction, copyright 2001, 2 <sup>nd</sup> Edition, by John Wiley & Sons, New York, ISBN 0-471-05669-3 (22 pgs.)	
	NPL7	JIANG, JIANMIN et al., "Extracting Shape Features in JPEG-2000 Compressed Images," Lecture Notes in Computer Science Vol. 2457, Springer Verlag, Berlin 2002, (10 pgs.).	
	NPL8	NEELAMANI, R. et al., "Multiscale Image Segmentation Using Joint Texture and Shape Analysis," SPIE's 44 <sup>th</sup> Annual Meeting, International Symposium on Optical Science and Technology, August 2000, San Diego, CA, (14 pgs.)	
	NPL9	SHIN, C. K. et al., "Classification of Document Page Images Based on Visual Similarity of Layout Structures," Proc. SPIE, Vol. 3967, Document Recognition and Retrieval VII, pp. 182-190, San Jose, CA, 2000, (9 pgs.)	
	NPL10	VELTCAMP, R. D. et al., "Content-Based Image Retrieval Systems: A Survey," Technical Report UU-CS-200-34, Department of Computing Science, Utrecht University, October 2000, (62 pgs.)	
	NPL11	ITU-T Rec. T.800 (2000 FCDV1.0) / ISO/IEC FCD15444-1:2000 (V1.0, 16 March 2000) "JPEG 2000 Image Coding System," <a href="http://www.jpeg.org/public/fcd15444-1.pdf">http://www.jpeg.org/public/fcd15444-1.pdf</a> (205 pgs.)	

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Signature

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AB/

Based on Form PTO/SB/085 (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/10/03.